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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|-----------------------------|---|-----------------------|-----------------|
| <b>Application Number</b>   | 09/737375   | <b>Docket Number</b>  | MIPS.0164-01-US |
| <b>Filed</b>                | 12/14/00  | <b>Group Art Unit</b> | 2662            |
| <b>Examiner</b>             | GREGORY B. SEFCHECK   | <b>Customer No.</b>   | 23669           |
| <b>Application Title</b>    | QUEUEING SYSTEM FOR PROCESSORS IN PACKET ROUTING OPERATIONS |                       |                 |
| <b>First Named Inventor</b> | MARIO D. NEMIROVSKY   |                       |                 |

### INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Attached hereto is Form PTO-1449, submitted under 37 CFR 1.97(d) and 1.97(e)(2), listing documents believed relevant to the subject application. It is respectfully requested that the examiner review the information disclosed herein in detail, independently evaluate each item carefully in the consideration of the pending claims and return an initialed copy of each form to the undersigned.

This disclosure statement should not be construed as a representation that a search has been made, that no other material information as defined in 37 CFR 1.56(a) exists, or as an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 CFR 1.56(b) or is available as a reference under 35 U.S.C. §102 *et seq.* Applicant reserves the right to swear behind or otherwise disprove the allege "prior" nature of any art cited should the facts support and the situation warrant such an action.

It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97 and 1.98, and the Manual of Patent Examining Procedures § 609. If for some reason the examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

The enclosed documents may have markings thereon. No significance is intended to be attached to the markings.

No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. The information cited in the information disclosure statement was cited by the United States Patent Office in one or more applications that are related to the present application.

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Application No. 09/737375 (Docket: MIPS.0164-01-US)  
Information Disclosure Statement Transmittal dated 1/28/05

Also attached hereto is the fee for submission of an IDS in the amount of **\$180.00** as forth in § 1.17(p).

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Respectfully submitted,  
**HUFFMAN PATENT GROUP, LLC**

By

  
**RICHARD K. HUFFMAN**

Reg. No. 41,082

Tel.: (719) 575-9998

Date

**1/28/05**





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|   |   |    |   | Application Number       | 09/737375           |
|   |   |    |   | Filing Date              | 12/14/00            |
|   |   |    |   | First Named Inventor     | MARIO D. NEMIROVSKY |
|   |   |    |   | Group Art Unit           | 2662                |
|   |   |    |   | Examiner Name            | GREGORY B. SEFCHECK |
| Sheet   | 1 | of | 2 | Attorney Docket Number   | MIPS.0164-01-US     |

| U.S. PATENT DOCUMENTS |                          |  |                                |  |   |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant Figures<br>Appear |
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       |                          | US-5708814                               | 01-13-1998                     | SHORT ET AL.                                       |   |
|                       |                          | US-6460105                               | 10-01-2002                     | JONES ET AL.                                       |   |
|                       |                          | US-20020049964                           | 04-25-2002                     | TAKEYAMA ET AL.                                    |   |
|                       |                          | US-20020071393                           | 06-13-2002                     | ENRIQUE MUSOLL                                     |   |
|                       |                          | US-4200927                               | 04-29-1980                     | HUGHES ET AL.                                      |   |
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|                       |                          | US Application Serial No.<br>09/608,750  | Not Published                  | NEMIROVSKY ET AL.                                  |   |
|                       |                          | US                                       |                                |  |   |
|                       |                          | US                                       |                                |  |   |
|                       |                          | US                                       |                                |  |   |

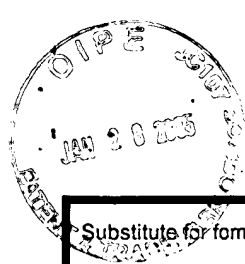
| FOREIGN PATENT DOCUMENTS |                          |   |                                |  |   |                |
|--------------------------|--------------------------|---|--------------------------------|--|---|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                          | BA                       | WO-03/005645-A2   | 01-16-2003                     | SAMPATH ET AL.                                     |   |                |
|                          |                          |   |                                |  |   |                |
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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| Sheet   | 2 | of | 2 | Attorney Docket Number   | MIPS.0164-01-US     |

### NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|--|----------------|
|                    | AA                    | YAMAMOTO, WAYNE. <i>An Analysis of Multistreamed, Superscalar Processor Architectures</i> . University of California Santa Barbara Dissertation. December 1995. Santa Barbara, US.   |                |
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|                    | AC                    | The PowerPC Architecture: A Specification for a New Family of RISC Processors. 2 <sup>nd</sup> Ed. May 1994. pp. 70-72. Morgan Kaufmann. San Francisco, US.  |                |
|                    | AD                    | MC68020 32-Bit Microprocessor User's Manual. 3 <sup>rd</sup> Ed.. 1989. pp. 3-125, 3-126, and 3-127. Prentice Hall, NJ, US.  |                |
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|                    | AI                    | DIEFENDORFF, KEITH ET AL. "Organization of the Motorola 88110 Superscalar RISC Microprocessor." <i>IEEE Journal of Microelectronics</i> . April 1992. pp. 40-63. Vol. 12, No. 2. IEEE. New York, NY, US.   |                |
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|                    | AM                    | BRADFORD, JEFFREY ET AL. "Efficient Synchronization for Multithreaded Processors." <i>Workshop on Multithreaded Execution, Architecture, and Compilation</i> . Jan-Feb 1998. pp. 1-4   |                |
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|                    | AP                    | KESSLER, R. E. "The Alpha 21264 Microprocessor: Out-of-Order Execution at 600 MHz." August 1998.   |                |
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|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**

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